

FIG. 1

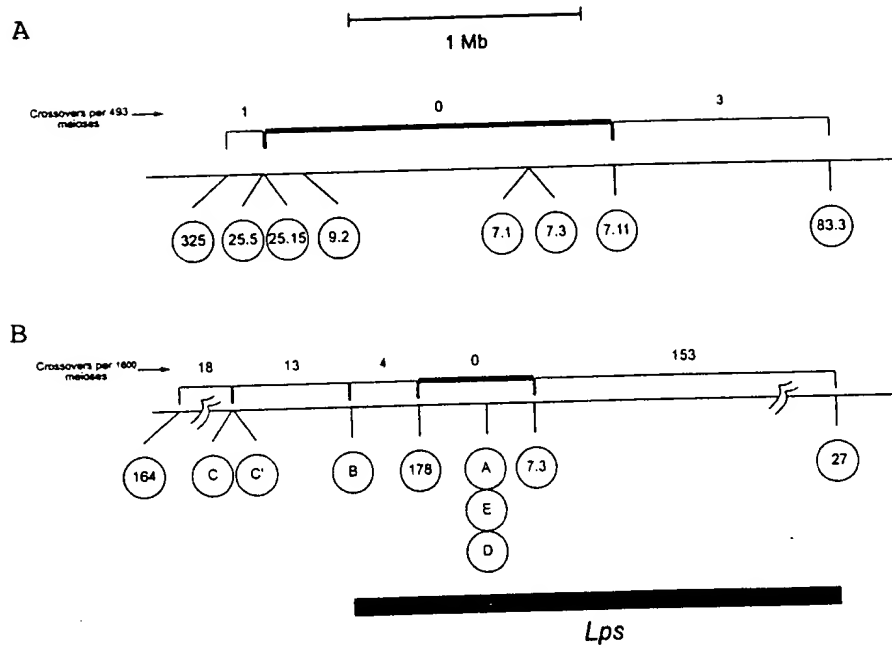


FIG. 2A-B

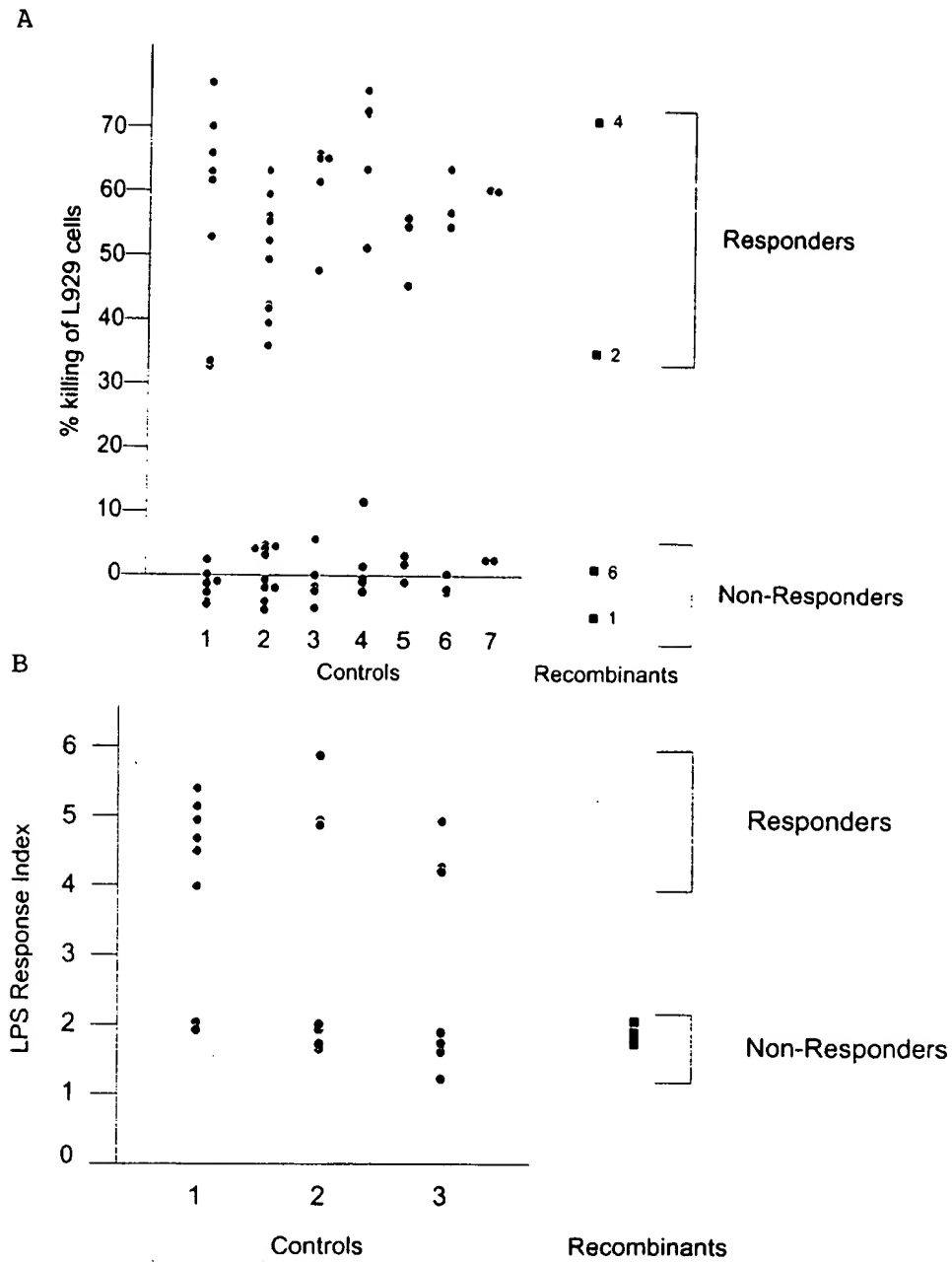


FIG. 3A-B

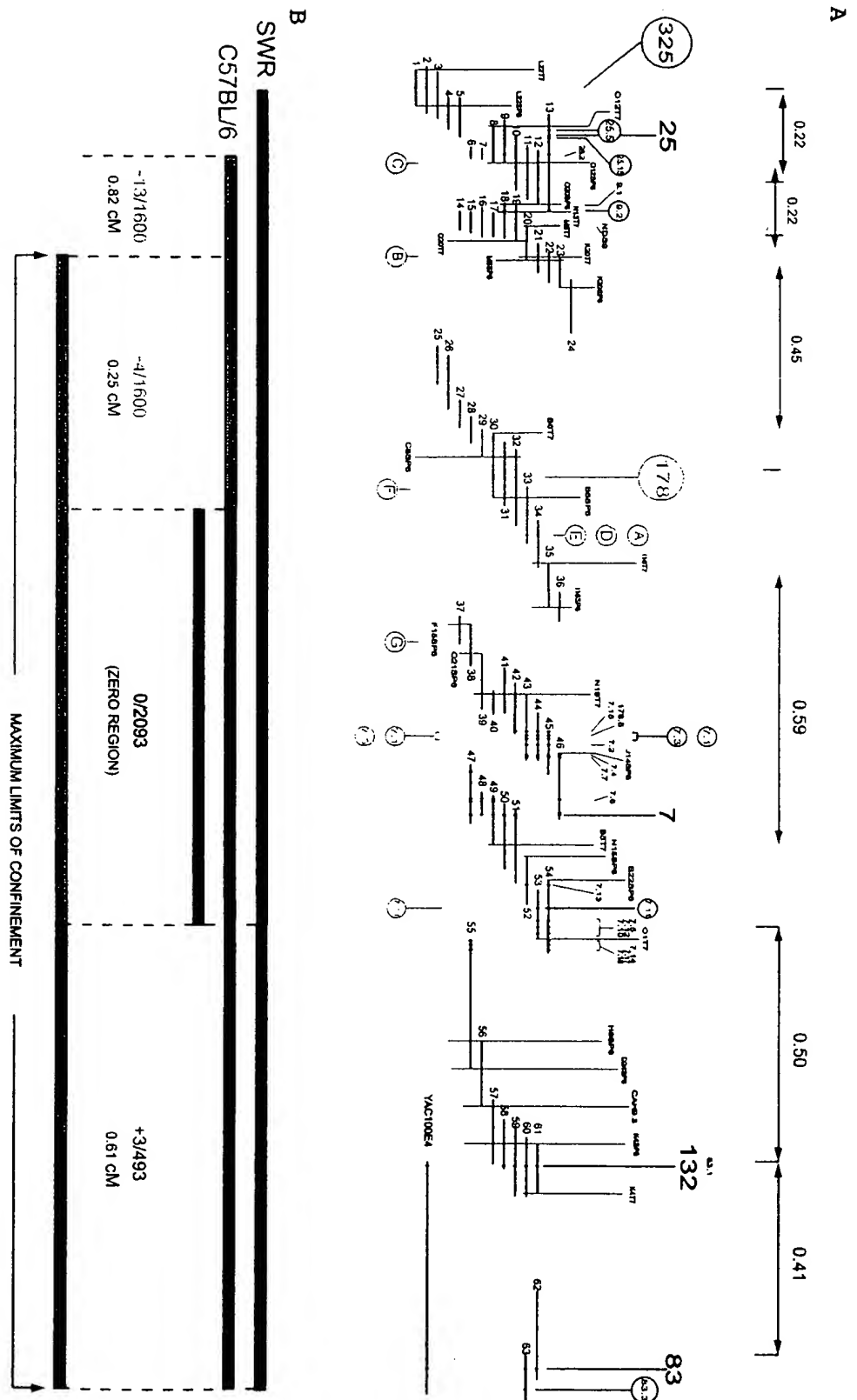


FIG. 4A-B

-4/1600
0.38 CM

0/2093

+3/493
1.2 CM

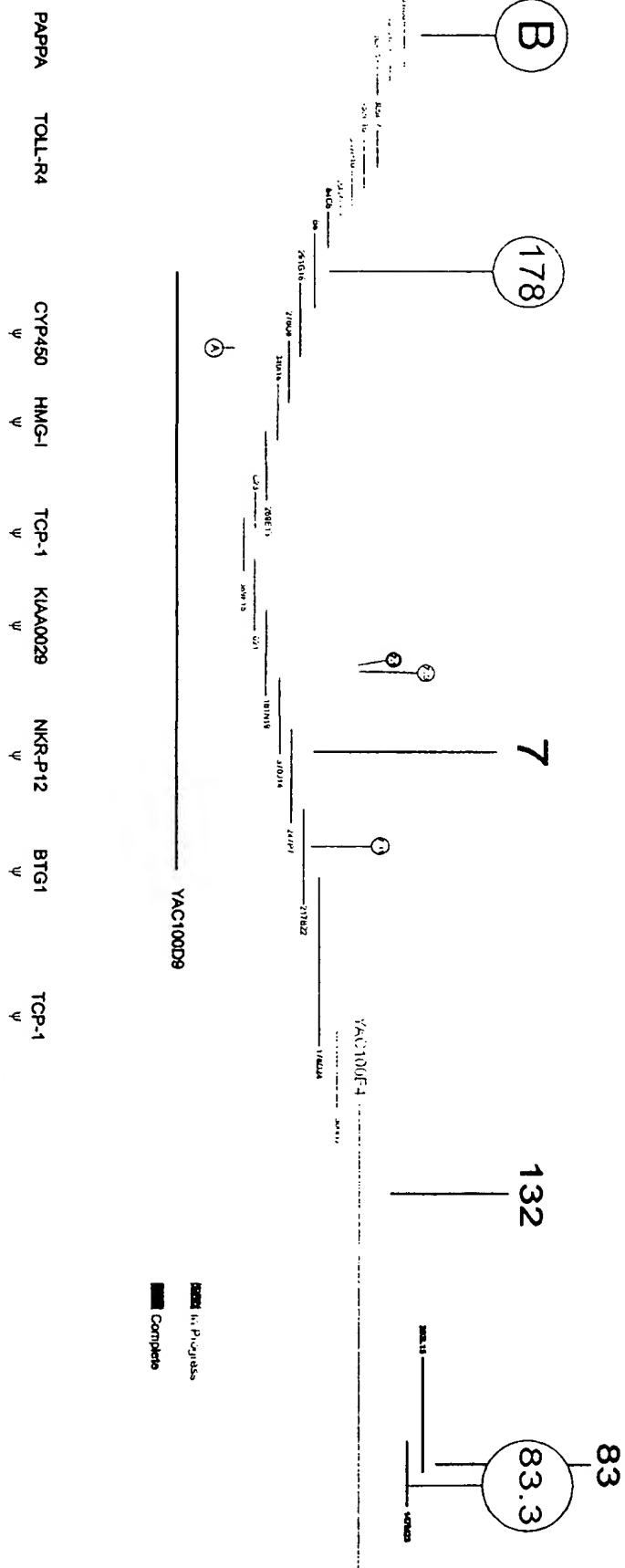


FIG. 5

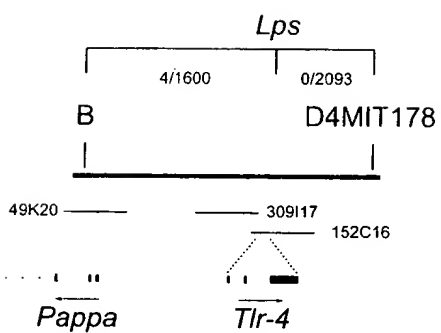
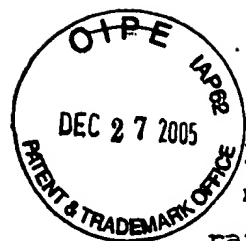


FIG. 6



jtoll	1	MMPPWLLART	LIMAL.FFSC	LTPGSLNPCI	EVVFNITYQC	MDQKLSKVPD	50
ntoll		MMPPWLLART	LIMAL.FFSC	LTPGSLNPCI	EVVFNITYQC	MDQKLSKVPD	
rattlr4		MMPLHLHLAGT	LIMAL.FLSC	LRPGSLNPCI	EVLPNITYQC	MDQNLKIPH	
humtlr4		MMSASRLAGT	LIPAMAFSLC	VRPESWEPVCV	EVVFNITYQC	MELNFYKIPD	
jtoll	51	DIPSSTKNID	LSFNPLKILK	SYSFSNFSEL	QWLDLSRCEI	ETIEDKAWHG	100
ntoll		DIPSSTKNID	LSFNPLKILK	SYSFSNFSEL	QWLDLSRCEI	ETIEDKAWHG	
rattlr4		DIPYSTKNLD	LSFNPLKILR	SYSFTNFSOL	QWLDLSRCEI	ETIEDKAWHG	
humtlr4		NLPFSTKNLD	LSFNPLRHLG	SYSFFSFPEL	QVLDLSRCEI	QTIEDGAYQS	
jtoll	101	LHHLSNLILT	GNPIQSFSPG	SFSGLTSLN	LVAVETKLAS	LESFPIGQLI	150
ntoll		LHHLSNLILT	GNPIQSFSPG	SFSGLTSLN	LVAVETKLAS	LESFPIGQLI	
rattlr4		LNQLSTLVLT	GNPIKSFSPG	SFSGLTNLEN	LVAVETKMTS	LEGFHIGQLI	
humtlr4		LSHLSTLILT	GNPIQSLALG	AFSGLSLQK	LVAVETNLAS	LENFPIGHLK	
jtoll	151	TLKKLNVAHN	FIHSCKLPAY	FSNLTNLVHV	DLSYNYIQT	TVNDLQFLRE	200
ntoll		TLKKLNVAHN	FIHSCKLPAY	FSNLTNLVHV	DLSYNYIQT	TVNDLQFLRE	
rattlr4		SLKKLNVAHN	LIHSFKLPEY	FSNLTNLEHV	DLSYNYIQT	SVKDLOFLRE	
humtlr4		TLKELNVAHN	LIQSFKLPEY	FSNLTNLEHL	DLSSNKIQSI	YCTDLRVLHQ	
jtoll	201	NPQVNLSLDM	SLNPIDFIQD	QAFQGIKLHE	LTLRGNFNSS	NIMKTCLQNL	250
ntoll		NPQVNLSLDM	SLNPIDFIQD	QAFQGIKLHE	LTLRGNFNSS	NIMKTCLQNL	
rattlr4		NPQVNLSLDL	SLNPIDSIQA	QAFQGIKLHE	LTLRGNFNSS	NVLKMCLONM	
humtlr4		MPLLNLSLDL	SLNPMNFIQP	GAFKEIRLHK	LTLRNNFDSL	NVMKTCIQGL	
jtoll	251	AGLHVHRLIL	GEFKDERNLE	IFEPSIMEGL	CDVTIDEFRL	TYTNDFSDDI	300
ntoll		AGLHVHRLIL	GEFKDERNLE	IFEPSIMEGL	CDVTIDEFRL	TYTNDFSDDI	
rattlr4		TGLHVHRLIL	GEFKERNLE	SFDRSVMEGL	CNVSIDEFRL	TYINHFSDDI	
humtlr4		AGLEVHRLVL	GEFRNEGNLE	KFDKSALEGL	CNLTIEEFRL	AYLDYLLDDI	
jtoll	301	VK.FHCLANV	SAMSLAGVSI	KYLEDVPKHF	KWQSLSIIRC	QLKQFPTLDL	350
ntoll		VK.FHCLANV	SAMSLAGVSI	KYLEDVPKHF	KWQSLSIIRC	QLKQFPTLDL	
rattlr4		YN.LNCLANI	SAMSFTGVHI	KHIADVPRHF	KWQSLSIIRC	HLKFPFKLSL	
humtlr4		IDLFNCLTNV	SSFSLVSVTI	ERVKDFSYNF	GWQHLELVNC	KFGQFPTLKL	
jtoll	351	PFLKSLTLTM	NKGSISFKKV	ALPSLSYLDL	SRNALSFSGC	CSYSDLGTSN	400
ntoll		PFLKSLTLTM	NKGSISFKKV	ALPSLSYLDL	SRNALSFSGC	CSYSDLGTSN	
rattlr4		PFLKSWTLTT	NREDISFGQL	ALPSLRYLTL	SRNAMSFRGC	CSYSDFGTNN	
humtlr4		KSLKRLTFTS	NKGGNAFSEV	DLPSEFLDL	SRNGLSFKGC	CSQSDFGTTS	
jtoll	401	LRHLDLSFNG	AIIMSANFMG	LEELQHLDFO	HSTLKRVTET	SAFLSLEKLL	450
ntoll		LRHLDLSFNG	AIIMSANFMG	LEELQHLDFO	HSTLKRVTET	SAFLSLEKLL	
rattlr4		LKYLDLSFNG	VILMSANFMG	LEELEYLDFQ	HSTLKKVTEF	SVFLSLEKLL	
humtlr4		LKYLDLSFNG	VITMSSNFLG	LEQLEHLDFO	HSNLKQMSEF	SVFLSLRNL	

	451				500
jtoll	YLDISYTN TK	IDFDGIFLGL	TSLNTLKMAG	NSFKDNTLSN	VFANTTNLTF
ntoll	YLDISYTN TK	IDFDGIFLGL	TSLNTLKMAG	NSFKDNTLSN	VFANTTNLTF
rattlr4	YLDISYTN TK	IDFDGIFLGL	ISLNTLKMAG	NSFKDNTLSN	VFTNTTNLTF
humt1r4	YLDISHTHTR	VAFNGIFNGL	SSLEVLKMAG	NSFQENFLPD	IFTELRLNLF
	501				550
jtoll	LDLSKCQLEQ	ISWGVFDTLH	RLQLLNMSHN	NLLFLDSSHY	NQLYSLSTLD
ntoll	LDLSKCQLEQ	ISWGVFDTLH	RLQLLNMSHN	NLLFLDSSHY	NQLYSLSTLD
rattlr4	LDLSKCQLEQ	ISRGVFDTLY	RLQLLNMSHN	NLLFLDPSHY	KOLYSLRTLD
humt1r4	LDLSQCQLEQ	LSPTAFNSLS	SLQVLNMSHN	NFFSLDTPFY	KCLNSLQVLD
	551				600
jtoll	CSFNRIETS.	KGILQHFPKS	LAFFNLTNNS	VACICEHQKF	LQWVKEQKQF
ntoll	CSFNRIETS.	KGILQHFPKS	LAFFNLTNNS	VACICEHQKF	LQWVKEQKQF
rattlr4	CSFNRIETS.	KGILQHFPKS	LAVNLTNNS	VACICEYQNF	LQWVKDQKMF
humt1r4	YSLNHIMTSK	KQELQHFPSS	LAFLNLTOND	FACTCEHQSF	LQWIKDQRQL
	601				650
jtoll	LVNVEQMTCA	TPVEMNTSLV	LDENNSTCYM	YKTIISVSVV	SVIVVSTVAF
ntoll	LVNVEQMTCA	TPVEMNTSLV	LDENNSTCYM	YKTIISVSVV	SVIVVSTVAF
rattlr4	LVNVEQMKCA	SPIDMKASLV	LDFTNSTCYI	YKTIISVSVV	SVLVVATVAF
humt1r4	LVEVERMECA	TPSDKQGMPV	LSL.NITCOM	NKTIIGVSVL	SVLVVSVVAV
	651				700
jtoll	LIYHFEYFHLI	LIAGCKKYSR	GESIYDAFVI	YSSQNEWDVR	NELVKNLEEG
ntoll	LIYHFEYFHLI	LIAGCKKYSR	GESIYDAFVI	YSSQNEWDVR	NELVKNLEEG
rattlr4	LIYHFEYFHLI	LIAGCKKYSR	GESIYDAFVI	YSSQNEWDVR	NELVKNLEEG
humt1r4	LVYKFEYFHLM	LLAGCIKYGR	GENIYDAFVI	YSSQDEWDVR	NELVKNLEEG
	701				750
jtoll	VPRFHLCLHY	RDFIHGVAIA	ANIIQEGFHK	SRKVIVVVS	HFIQSRWCIF
ntoll	VPRFHLCLHY	RDFIPGVAIA	ANIIQEGFHK	SRKVIVVVS	HFIQSRWCIF
rattlr4	VPRFQLCLHY	RDFIPGVAIA	ANIIQEGFHK	SRKVIVVVS	HFIQSRWCIF
humt1r4	VPPFQLCLHY	RDFIPGVAIA	ANIIHEGFHK	SRKVIVVVSQ	HFIQSRWCIF
	751				800
jtoll	EYEIAQTWQF	LSSRSGIIFI	VLEKVEKSLL	RQQVELYRLL	SRNTYLEWED
ntoll	EYEIAQTWQF	LSSRSGIIFI	VLEKVEKSLL	RQQVELYRLL	SRNTYLEWED
rattlr4	EYEIAQTWQF	LSSRSGIIFI	VLEKVEKSLL	RQQVELYRLL	SRNTYLEWED
humt1r4	EYEIAQTWQF	LSSRAGIIFI	VLQKVEKTL	RQQVELYRLL	SRNTYLEWED
	801				840
jtoll	NPLGRHIFWR	RLKNALLDGK	ASNPEQTAE	EQETATWT~~	
ntoll	NPLGRHIFWR	RLKNALLDGK	ASNPEQTAE	EQETATWT~~	
rattlr4	NALGRHIFWR	RLKKALLDGK	ALNPDETSEE	EQEATTLT~~	
humt1r4	SVLGRHIFWR	RLRKALLDGK	SWNPEGTVGT	GCNWQEATSI	

FIG. 7A (CONT.)

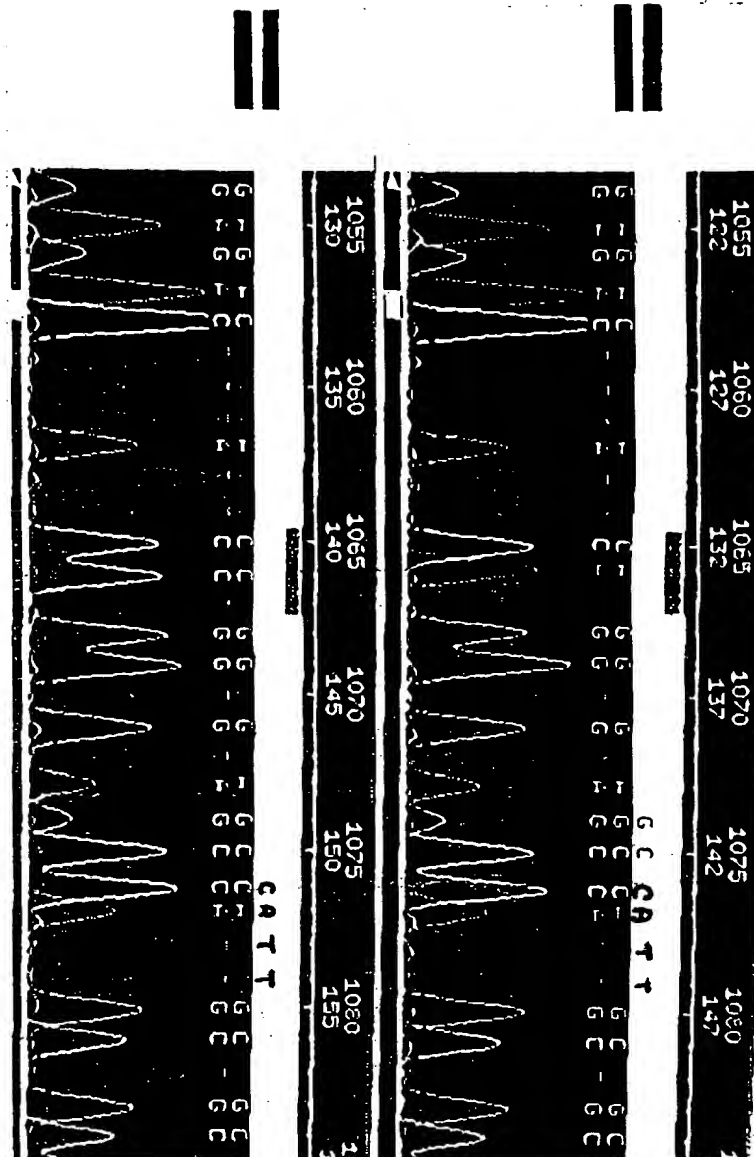


FIG. 7B

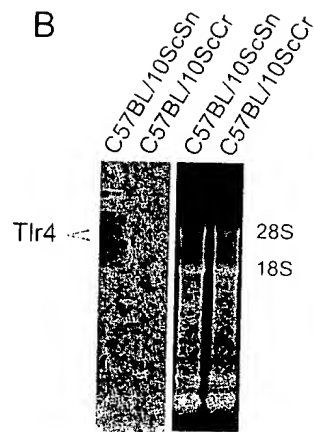
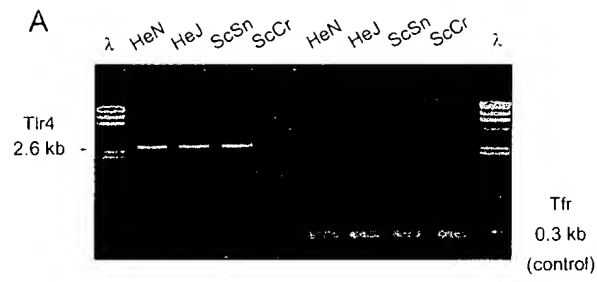


FIG. 8A-B

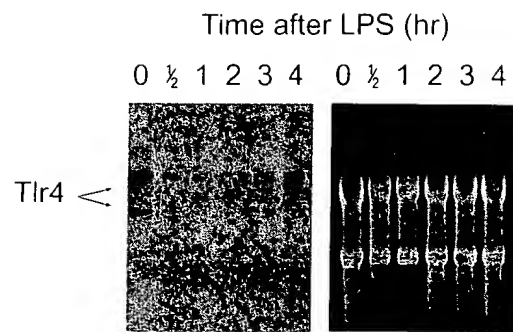


FIG. 9

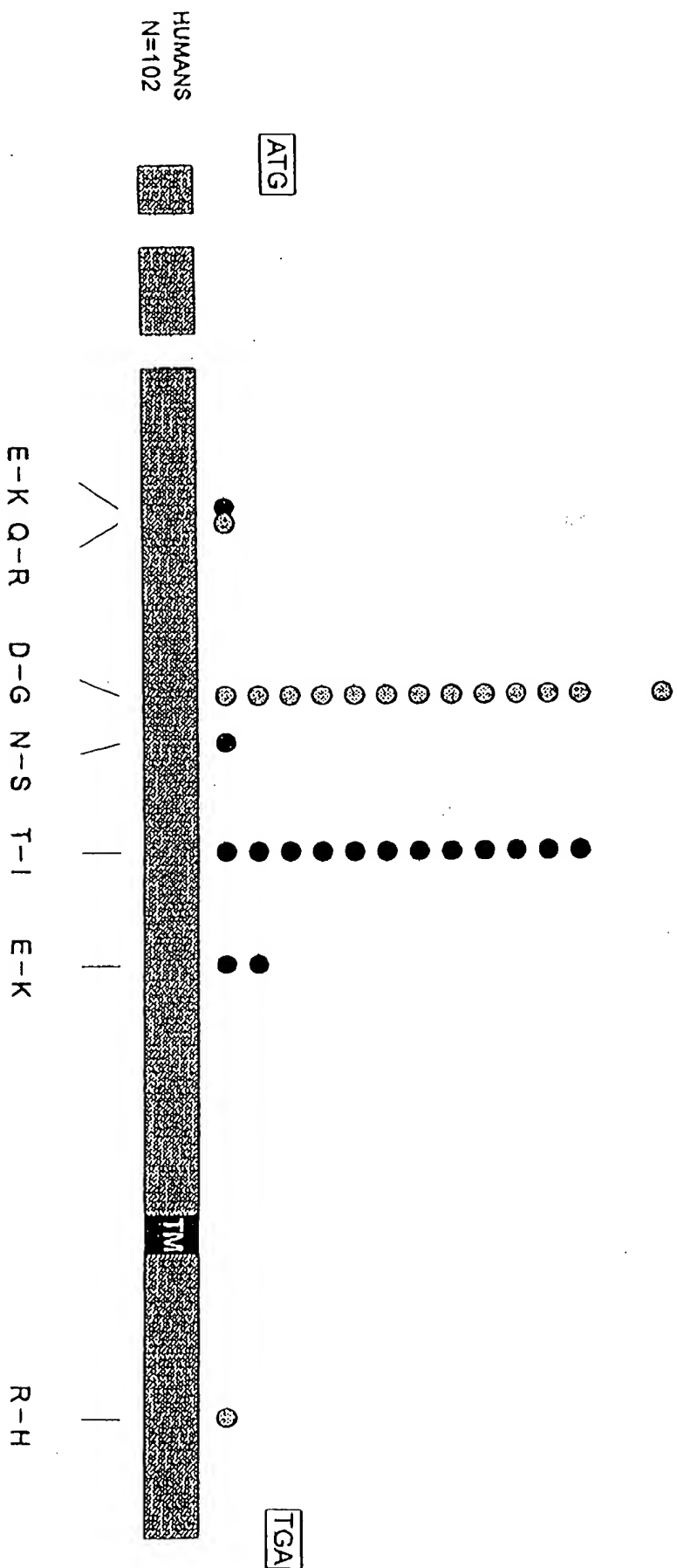


FIG. 10

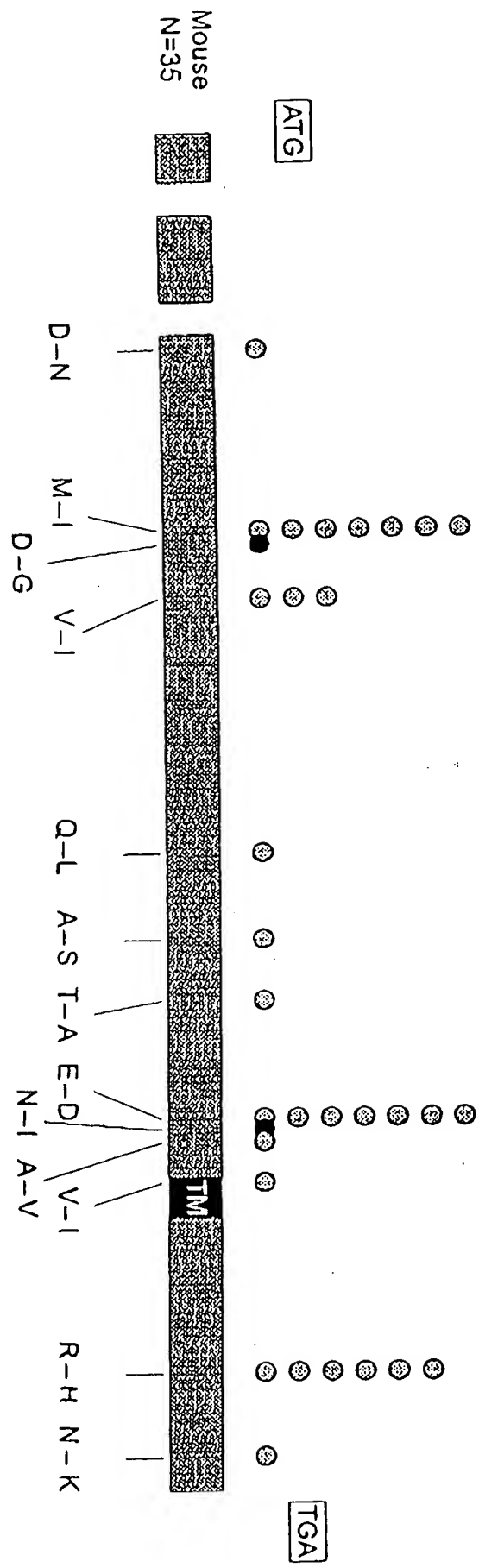


FIG. 11

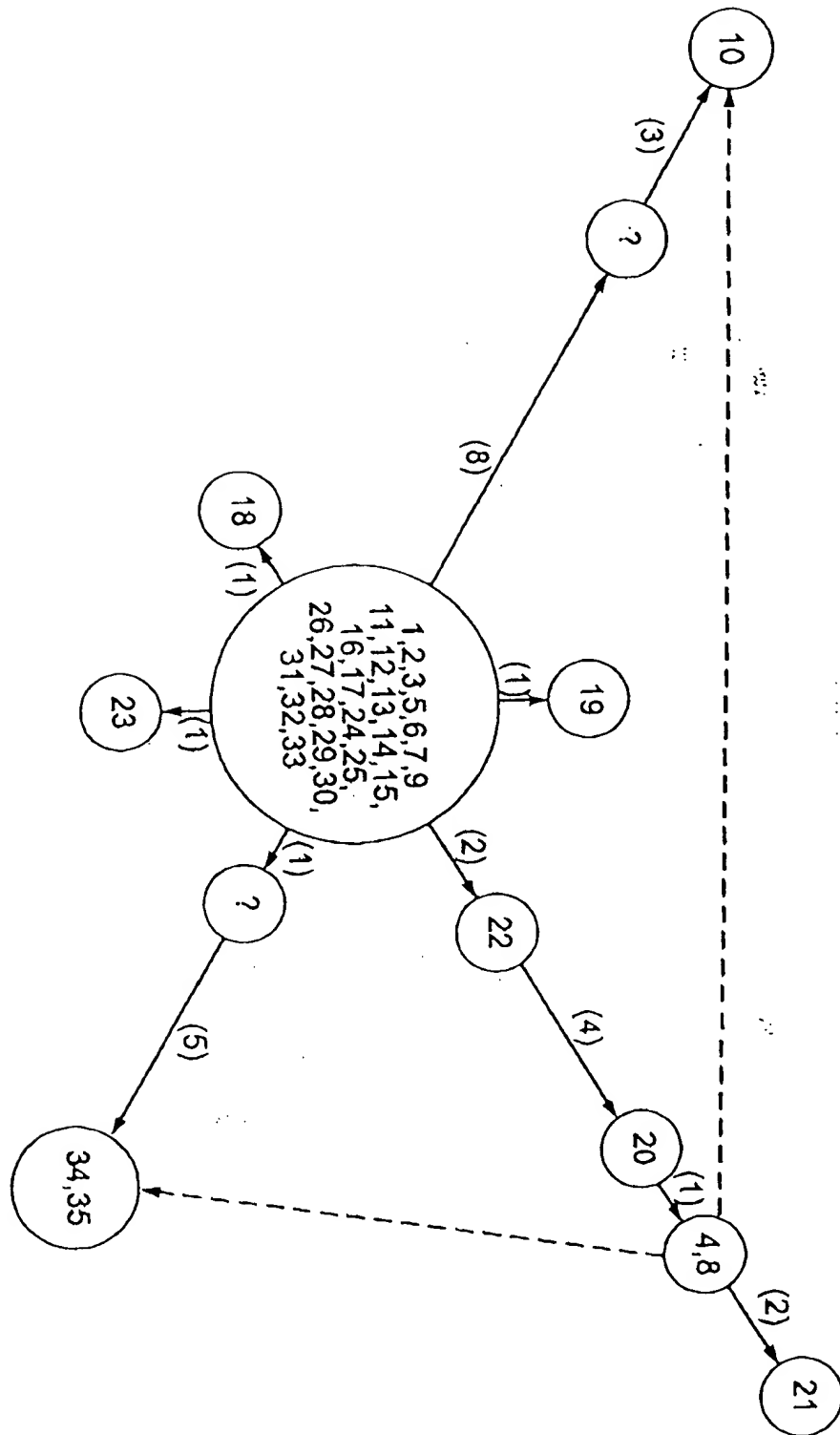


FIG. 12

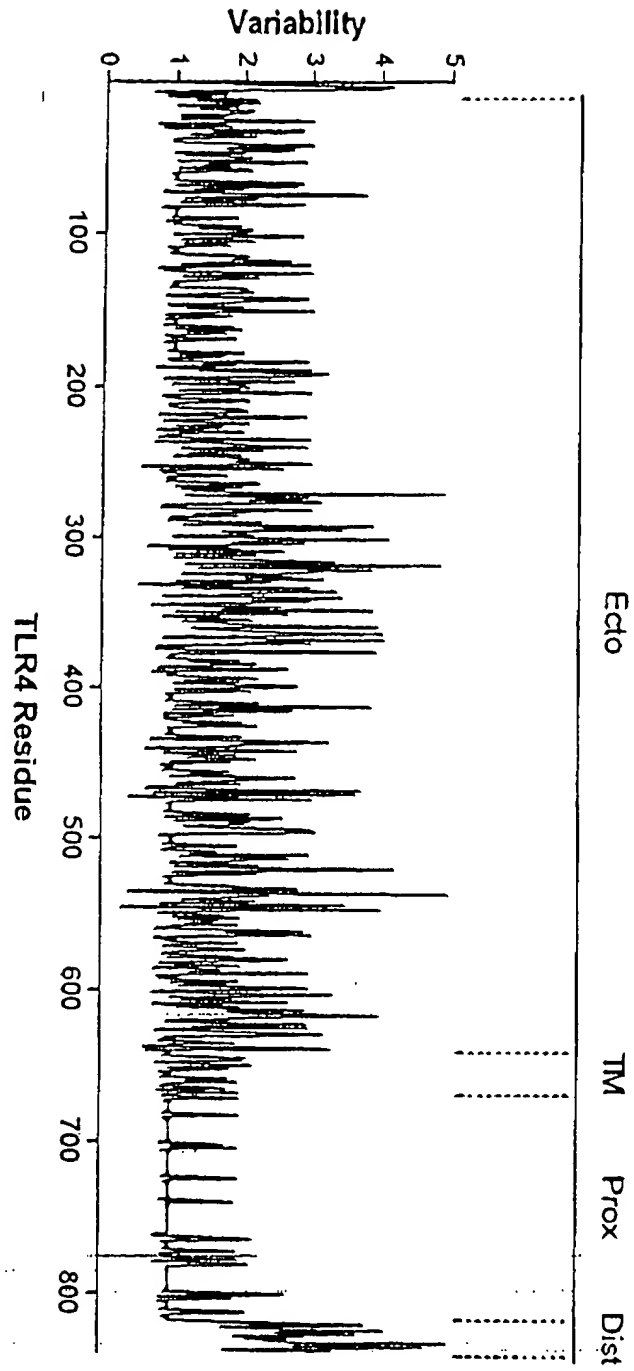


FIG. 13

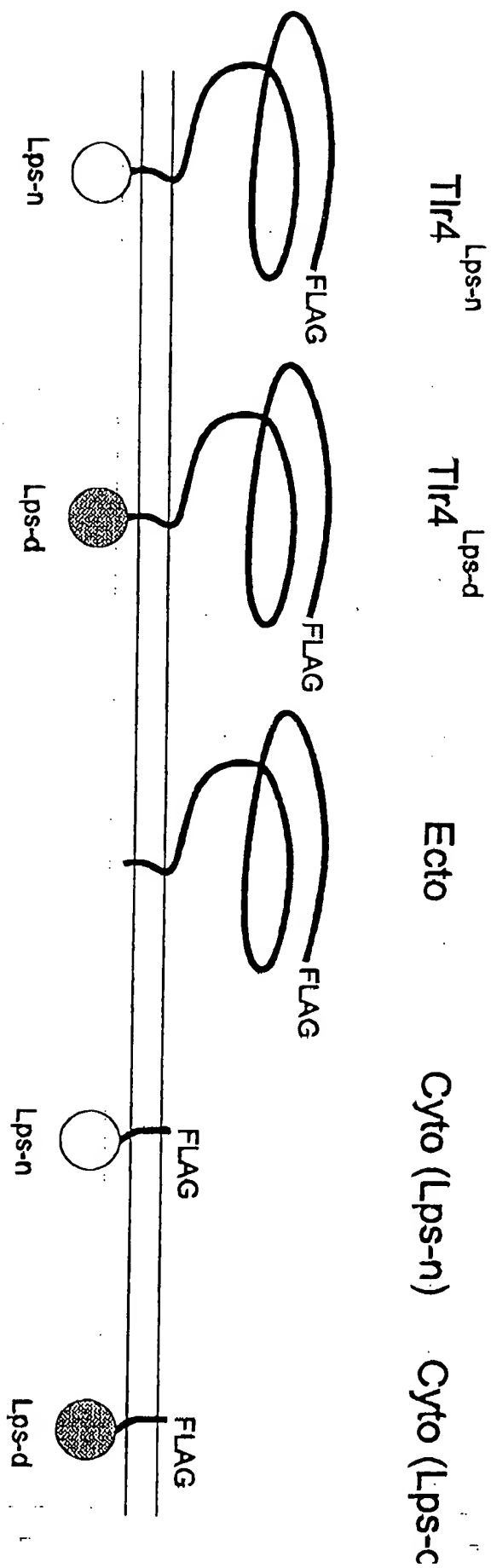
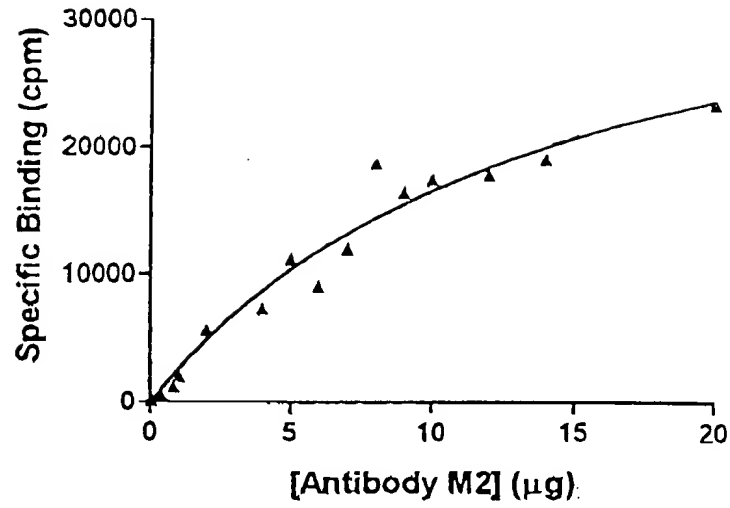


FIG. 14

A



B

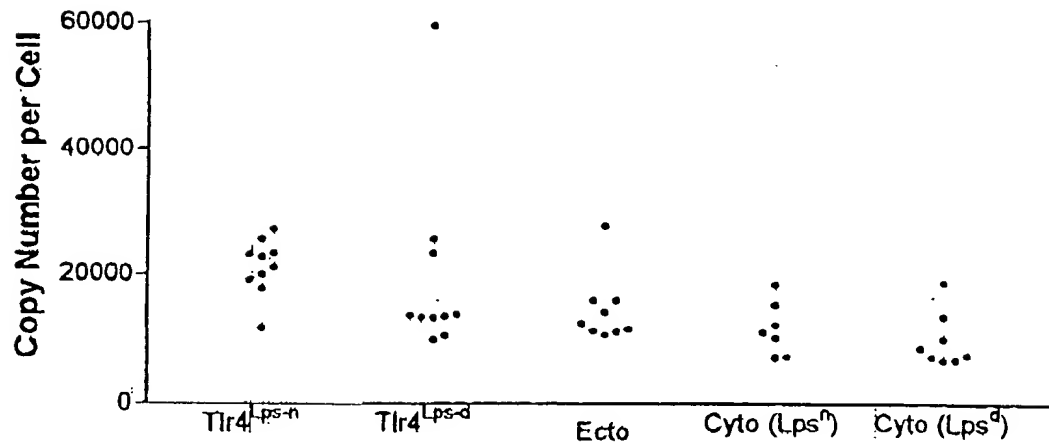


FIG. 15A-B

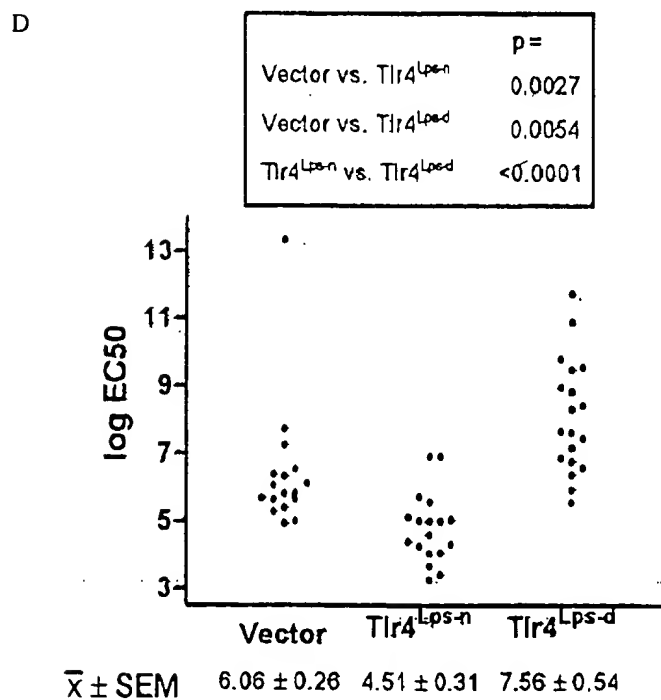
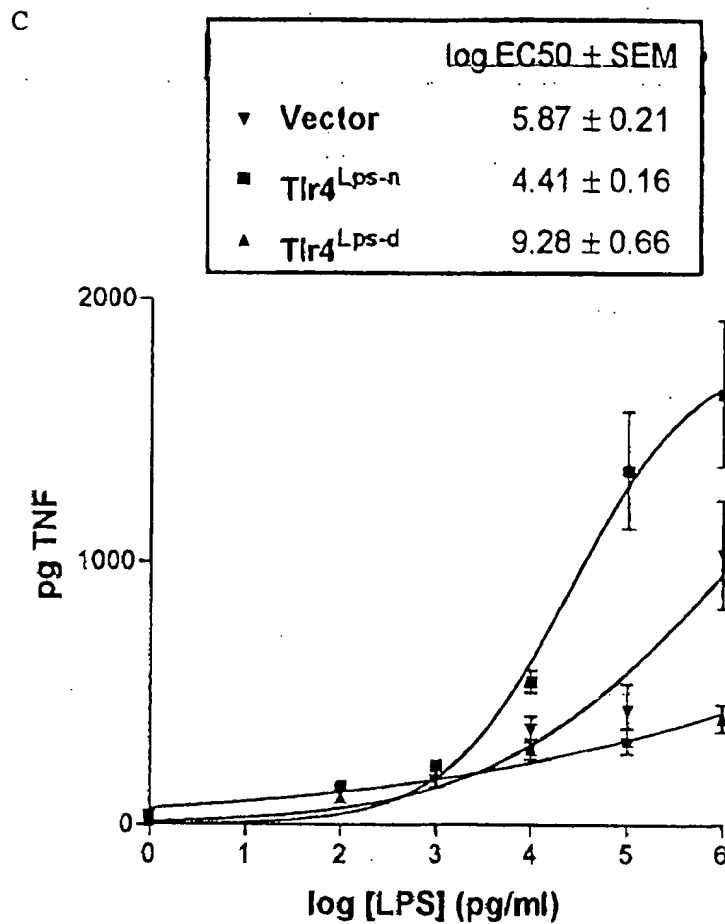
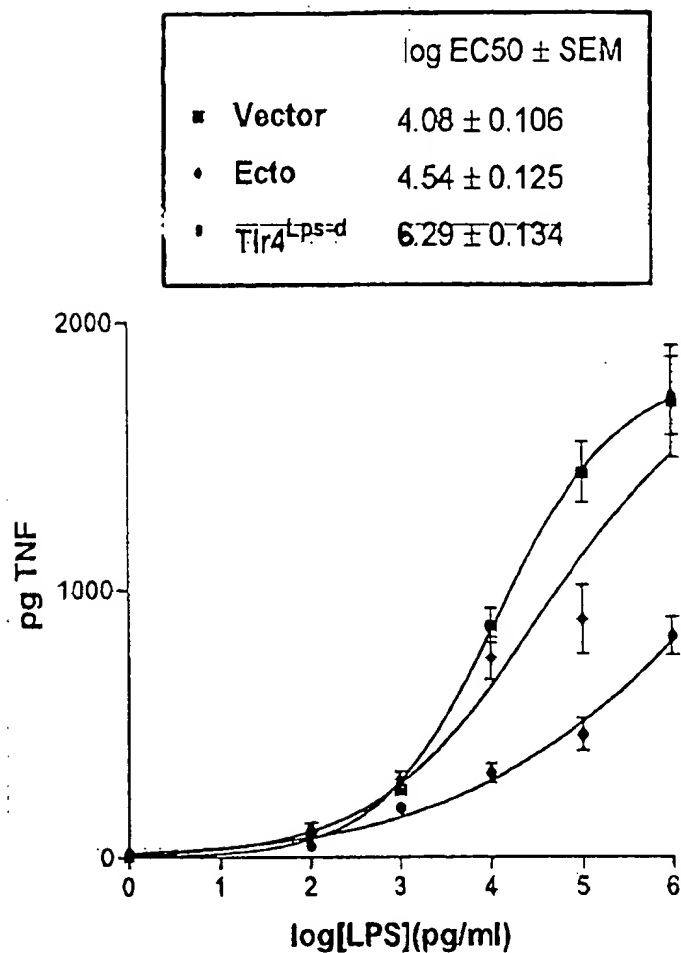


FIG. 15C-D

FIG. 15E

A



B

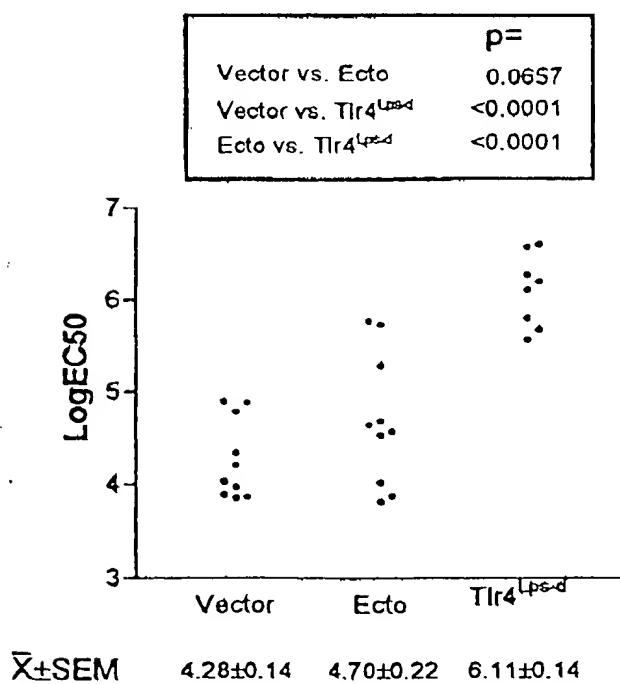
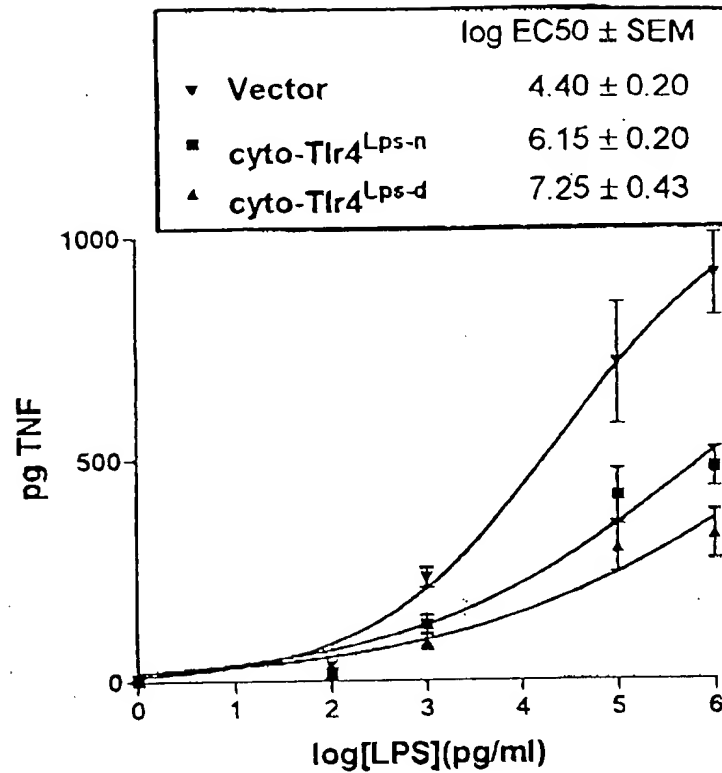


FIG. 16A-B

A



B

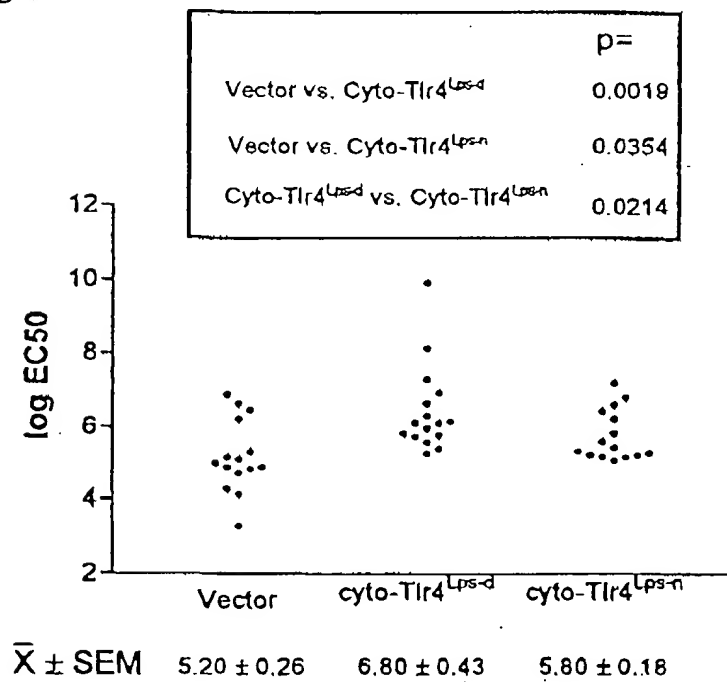


FIG. 17A-B